

Title (en)
AN ELECTRICAL SWITCH FOR AN ELECTRICAL DEVICE AND SEALING ASSEMBLY FOR AN ELECTRICAL SWITCH

Title (de)
ELEKTRISCHER SCHALTER FÜR EINE ELEKTRISCHE VORRICHTUNG UND DICHTUNGSANORDNUNG FÜR EINEN ELEKTRISCHEN SCHALTER

Title (fr)
UN COMMUTATEUR ÉLECTRIQUE POUR UN DISPOSITIF ÉLECTRIQUE ET ENSEMBLE D'ÉTANCHÉITÉ POUR UN COMMUTATEUR ÉLECTRIQUE

Publication
EP 3327741 B1 20201223 (EN)

Application
EP 17181748 A 20170717

Priority
HK 16113455 A 20161124

Abstract (en)
[origin: EP3327741A1] A sealing assembly for prevention of ingress of particulates and water into an electrical switch having two or more positions moveable between a first extremity and a second extremity in a linear direction of movement by an actuator, whereby said actuator is operable through an aperture extending through the outer surface of a housing of the electrical switch, said sealing assembly comprising an engagement element including a rigid first abutment portion for circumscribing the aperture extending through the outer surface of the housing of the switch and a rigid first retention portion; and a sealing element being slidably engageable with the engagement element in a direction of said linear direction of movement of the actuator and being retained by the retention portion of the engagement element, said sealing element including a first complementary abutment portion for sliding engagement with the first abutment portion of the engagement element; wherein the sealing element is formed from an elastically resilient polymeric material such that when retained by the engagement element, sealing engagement between the first complementary abutment portion of the sealing element and the first abutment portion is effected as the first complementary abutment portion is urged against the first abutment surface of the engagement element so as to occlude passage and ingress of particulates, dust and water from external of the first abutment portion to the aperture extending through the outer surface of a housing of the electrical switch; and wherein upon movement of the sealing element in conjunction with movement of the actuator of the electrical switch between the first extremity and the second extremity, said sealing engagement between the first complementary abutment portion of the sealing element and the first abutment surface of the engagement element is maintained.

IPC 8 full level
H01H 9/04 (2006.01); **H01H 15/02** (2006.01)

CPC (source: CN EP US)
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Cited by
US11817757B2; US11813729B2

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EP 3327741 A1 20180530; EP 3327741 B1 20201223; CN 108109870 A 20180601; CN 108109870 B 20200929; CN 110071005 A 20190730; CN 110071005 B 20211008; EP 3477673 A1 20190501; US 10497523 B2 20191203; US 2018144888 A1 20180524; US 2020090886 A1 20200319

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EP 17181748 A 20170717; CN 201710994930 A 20171023; CN 201910353994 A 20171023; EP 18207975 A 20170717; US 201715728852 A 20171010; US 201916690045 A 20191120